Hydrologic Model Manager

Short Name	Two-parameter water balance model
Long Name	
Description	
Model Type	Conceptual model
Model Objectives	Runoff simulation and prediction, water resources assessment
Agency _Office	Wuhan University, China
Tech Contact	College of Water Resources and Hydropower, Wuhan University, 430072, Hubei Province, P. R. China
Model Structure	Water balance equations
Interception	
Groundwater	
Snowmelt	
Precipitation	
Evapo-transpiration	
Infiltration	
Model Paramters	Two parameters, C and Sc
Spatial Scale	102 km2 ~ 106 km2
Temporal Scale	Month
Input Requirements	Monthly precipitation, Pan evaporation (or Temperature)
Computer Requirements	Personal computer
Model Output	Monthly runoff, soil moisture content
Parameter Estimatn Model Calibrtn	Simplex and trail and error methods
Model Testing Verification	Model efficiency, relative error of total runoff relative error of maximum peak runoff
Model Sensitivity	The parameters are insensitive to the initial values
Model Reliabiity	The model is capable of simulation monthly runoff series and can produce good and reliable results.
Model Application	The model has been applied to more than 100 humid and semi-humid basins in China.
Documentation	The model structure and application results have been published in some academic journals.
Other Comments	No
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Developer	
Technical Contact	
Contact Organization	